

Asst. Prof. EBUTALİB ÇELİK

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 30011

Email: e.celik@comu.edu.tr

Web: <https://avesis.comu.edu.tr/e.celik>

International Researcher IDs

ScholarID: 3SWHgmAAAAAJ

ORCID: 0000-0002-4500-4465

Publons / Web Of Science ResearcherID: IZP-6806-2023

Yoksis Researcher ID: 190877

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2019

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2014

Undergraduate, Zonguldak Bülent Ecevit University, Faculty Of Arts And Sciences, Turkey 2006 - 2011

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Köşe civarındaki akış modelleri ve Z-şeklindeki kaviti içerisindeki girdap oluşumuna etkisi, Erciyes University, Fen Bilimleri Enstitüsü, -, 2019

Postgraduate, Köşe civarındaki singüler noktaların eşleştirme yöntemiyle çözümü, Erciyes University, Fen Bilimleri Enstitüsü, 2014

Research Areas

Computational fluid dynamics, Differential Equations, Numerical Analysis

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Bilgisayar Teknolojileri, 2021 - Continues

Research Assistant, Erciyes University, Fen Fakültesi, 2012 - 2021

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Bilgisayar

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Solution of MHD-stokes flow in an L-shaped cavity with a local RBF-supported finite difference**
Çelik E., Gürbüz Çaldağ M.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.158, pp.356-363, 2024 (SCI-Expanded)
- II. **Streamline analysis of MHD flow in a double lid-driven cavity**
ÇELİK E., Gürbüz-Çaldağ M.
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, vol.238, no.1, pp.64-74, 2024 (SCI-Expanded)
- III. **Stokes flow in lid-driven cavity under inclined magnetic field**
Çelik E., Gürbüz Çaldağ M.
ARCHIVES OF MECHANICS, vol.74, no.6, pp.549-564, 2022 (SCI-Expanded)
- IV. **Effect of the Hartmann number on MHD Stokes flow in a lid-driven cavity**
Çelik E.
Magnetohydrodynamics, vol.57, no.4, pp.423-436, 2021 (SCI-Expanded)
- V. **Flow topology in an L-shaped cavity with lids moving in the same directions**
DELİCEOĞLU A., Bozkurt D., Çelik E.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.15, pp.8317-8326, 2020 (SCI-Expanded)
- VI. **Singular treatment of viscous flow near the corner by using matched eigenfunctions**
DELİCEOĞLU A., Çelik E., Gurcan F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.233, no.5, pp.1660-1676, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Stokes Flow in a Z-Shaped Cavity With Moving Upper Lid**
ÇELİK E., LUZUM M., DELİCEOĞLU A.
Karaelmas Fen ve Mühendislik Dergisi, vol.11, no.1, pp.12-21, 2021 (Peer-Reviewed Journal)
- II. **Flow Patterns and Bifurcations in a Z-Shaped Cavity**
ÇELİK E.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.408-419, 2020 (Peer-Reviewed Journal)
- III. **A Mechanism of Eddy Generation in A Single Lid-Driven T-Shaped Cavity**
DELİCEOĞLU A., ÇELİK E.
Cumhuriyet Science Journal, vol.40, no.3, pp.583-594, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **RBF SOLUTIONS OF STEADY FLOW IN A DOUBLE LID-DRIVEN CAVITY EXPOSED TO MAGNETIC FIELD**
ÇELİK E., GÜRBÜZ ÇALDAĞ M.
10th International Congress on Fundamental and Applied Sciences, 06 June 2023
- II. **MHD Flow in a Constricted Lid-driven Cavity**
Çelik E., Gürbüz Çaldağ M.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, pp.131
- III. **Impacts of Inclined Magnetic Field on Stokes Flow**
Çelik E., Gürbüz M.

8th International Congress on Fundamental and Applied Science, Antalya, Turkey, 19 - 21 October 2021, pp.1-2

- IV. **Effect of Hartmann Number on MHD-Stokes Flow in a Lid-Driven Cavity**
Çelik E.
4th INTERNATIONAL E-CONFERENCE ON MATHEMATICAL ADVANCES AND ITS APPLICATIONS, İstanbul, Turkey,
26 - 29 May 2021
- V. **Üst Kapağı Hareketli Z-Şeklindeki Kaviti İçerisindeki Akış Yapıları**
ÇELİK E., LUZUM M., DELİCEOĞLU A.
14. Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019
- VI. **Flow Topology in an L-Shaped Cavity with Lids Moving in the Same Directions**
DELİCEOĞLU A., Bozkurt D., ÇELİK E.
International Conference on Mathematics (ICOM-2018), İstanbul, Turkey, 3 - 06 July 2018
- VII. **An investigation of a boundary layer separation near a re-entrant corner**
DELİCEOĞLU A., ÇELİK E.
International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 May 2017
- VIII. **Separated Flow Structures in a Z-Shaped Cavity**
ÇELİK E., DELİCEOĞLU A., GÜRCAN F.
International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 May 2017
- IX. **Streamline topology of vortex breakdown bubbles near the re-entrant corner**
DELİCEOĞLU A., ÇELİK E.
4. International Conference on Recent Advances in Pure and Applied Mathematics, 11 - 15 May 2017
- X. **Topological Behavior of Viscous Flow Near a Corner by Using Matched Eigenfunctions**
DELİCEOĞLU A., ÇELİK E., GÜRCAN F.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM15), İstanbul, Turkey, 8 - 12 June 2015
- XI. **Köşe Civarında Singüler Noktaların Eşleştirme Yöntemiyle Çözümü**
ÇELİK E., DELİCEOĞLU A.
9. Ankara Matematik Günleri, Ankara, Turkey, 12 - 13 June 2014

Supported Projects

Çelik E., Project Supported by Higher Education Institutions, TOPOLOGICAL REVIEW OF MHD STOKES FLOW IN THE RECTANGULAR REGION, 2020 - 2021

Çelik E., Project Supported by Higher Education Institutions, FLOW STRUCTURES IN T-SHAPED CAVITY WITH HORIZONTAL LIDS MOVING IN THE SAME DIRECTION, 2020 - 2021

Metrics

Publication: 20

Citation (WoS): 1

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 2